Leonardo Fogassi

List of Publications by Year
in descending order

101 papers	24,958 citations	70961 41 h-index	42291 92 g-index
102 all docs	102 docs citations	102 times ranked	10103 citing authors

#	Article	IF	Citations
1	Action recognition in the premotor cortex. Brain, 1996, 119, 593-609.	3.7	4,538
2	Premotor cortex and the recognition of motor actions. Cognitive Brain Research, 1996, 3, 131-141.	3.3	4,178
3	Neurophysiological mechanisms underlying the understanding and imitation of action. Nature Reviews Neuroscience, 2001, 2, 661-670.	4.9	2,873
4	Parietal Lobe: From Action Organization to Intention Understanding. Science, 2005, 308, 662-667.	6.0	1,768
5	Hearing Sounds, Understanding Actions: Action Representation in Mirror Neurons. Science, 2002, 297, 846-848.	6.0	1,590
6	A Touching Sight. Neuron, 2004, 42, 335-346.	3.8	760
7	NEUROSCIENCE: Enhanced: The Space Around Us. Science, 1997, 277, 190-191.	6.0	677
8	Object Representation in the Ventral Premotor Cortex (Area F5) of the Monkey. Journal of Neurophysiology, 1997, 78, 2226-2230.	0.9	646
9	Mirror neurons responding to the observation of ingestive and communicative mouth actions in the monkey ventral premotor cortex. European Journal of Neuroscience, 2003, 17, 1703-1714.	1.2	583
10	Motor and cognitive functions of the ventral premotor cortex. Current Opinion in Neurobiology, 2002, 12, 149-154.	2.0	551
11	Parietal cortex: from sight to action. Current Opinion in Neurobiology, 1997, 7, 562-567.	2.0	434
12	Motor functions of the parietal lobe. Current Opinion in Neurobiology, 2005, 15, 626-631.	2.0	403
13	Corticospinal excitability is specifically modulated by motor imagery: a magnetic stimulation study. Neuropsychologia, 1998, 37, 147-158.	0.7	389
14	Visuomotor neurons: ambiguity of the discharge or â€˜motorâ€™ perception?. International Journal of Psychophysiology, 2000, 35, 165-177.	0.5	337
15	Functional Properties of Grasping-Related Neurons in the Ventral Premotor Area F5 of the Macaque Monkey. Journal of Neurophysiology, 2006, 95, 709-729.	0.9	310
16	Mirror Neurons Differentially Encode the Peripersonal and Extrapersonal Space of Monkeys. Science, 2009, 324, 403-406.	6.0	306
17	Functional organization of inferior parietal lobule convexity in the macaque monkey: electrophysiological characterization of motor, sensory and mirror responses and their correlation with cytoarchitectonic areas. European Journal of Neuroscience, 2008, 28, 1569-1588.	1.2	304
18	Mirror Neurons Responding to Observation of Actions Made with Tools in Monkey Ventral Premotor Cortex. Journal of Cognitive Neuroscience, 2005, 17, 212-226.	1.1	274

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19	Neonatal Imitation in Rhesus Macaques. PLoS Biology, 2006, 4, e302.	2.6	266
20	Ventral Premotor and Inferior Parietal Cortices Make Distinct Contribution to Action Organization and Intention Understanding. Cerebral Cortex, 2010, 20, 1372-1385.	1.6	265
21	Mirrors In The Mind. Scientific American, 2006, 295, 54-61.	1.0	233
22	The mirror mechanism: recent findings and perspectives. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130420.	1.8	221
23	Thalamic input to inferior area 6 and area 4 in the macaque monkey. Journal of Comparative Neurology, 1989, 280, 468-488.	0.9	219
24	View-Based Encoding of Actions in Mirror Neurons of Area F5 in Macaque Premotor Cortex. Current Biology, 2011, 21, 144-148.	1.8	205
25	Functional Properties of Grasping-Related Neurons in the Dorsal Premotor Area F2 of the Macaque Monkey. Journal of Neurophysiology, 2004, 92, 1990-2002.	0.9	165
26	From mirror neurons to imitation: Facts and speculations. , 2002, , 247-266.		145
27	Neurons Controlling Voluntary Vocalization in the Macaque Ventral Premotor Cortex. PLoS ONE, 2011, 6, e26822.	1.1	137
28	Mirror Neurons and the Evolution of Embodied Language. Current Directions in Psychological Science, 2007, 16, 136-141.	2.8	132
29	Mirror neurons encode the subjective value of an observed action. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 11848-11853.	3.3	114
30	Space-Dependent Representation of Objects and Other's Action in Monkey Ventral Premotor Grasping Neurons. Journal of Neuroscience, 2014, 34, 4108-4119.	1.7	100
31	Somatotopic Organization of the Lateral Part of Area F2 (Dorsal Premotor Cortex) of the Macaque Monkey. Journal of Neurophysiology, 2003, 89, 1503-1518.	0.9	91
32	Randomized Trial of Observation and Execution of Upper Extremity Actions Versus Action Alone in Children With Unilateral Cerebral Palsy. Neurorehabilitation and Neural Repair, 2013, 27, 808-815.	1.4	88
33	Grasping Neurons of Monkey Parietal and Premotor Cortices Encode Action Goals at Distinct Levels of Abstraction during Complex Action Sequences. Journal of Neuroscience, 2011, 31, 5876-5886.	1.7	84
34	Mirror Neuron Activation Prior to Action Observation in a Predictable Context. Journal of Neuroscience, 2014, 34, 14827-14832.	1.7	75
35	Anatomoâ€functional organization of the ventral primary motor and premotor cortex in the macaque monkey. European Journal of Neuroscience, 2012, 36, 3376-3387.	1.2	63
36	Neurological Principles and Rehabilitation of Action Disorders. Neurorehabilitation and Neural Repair, 2011, 25, 6S-20S.	1.4	62

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37	Selectivity for grip type and action goal in macaque inferior parietal and ventral premotor grasping neurons. Journal of Neurophysiology, 2012, 108, 1607-1619.	0.9	60
38	Ventral Premotor Neurons Encoding Representations of Action during Self and Othersâ€™ Inaction. Current Biology, 2014, 24, 1611-1614.	1.8	59
39	The Inferior Parietal Lobule: Where Action Becomes Perception. Novartis Foundation Symposium, 0, , 129-145.	1.2	53
40	Anterior Intraparietal Area: A Hub in the Observed Manipulative Action Network. Cerebral Cortex, 2019, 29, 1816-1833.	1.6	51
41	Upper limb children action-observation training (UP-CAT): a randomised controlled trial in Hemiplegic Cerebral Palsy. BMC Neurology, 2011, 11, 80.	0.8	49
42	Cortical and subcortical connections of parietal and premotor nodes of the monkey hand mirror neuron network. Brain Structure and Function, 2018, 223, 1713-1729.	1.2	48
43	Neuronal Chains for Actions in the Parietal Lobe: A Computational Model. PLoS ONE, 2011, 6, e27652.	1.1	47
44	Anterior intraparietal cortex codes complexity of observed hand movements. Brain Research Bulletin, 2010, 81, 434-440.	1.4	44
45	Neurophysiological bases underlying the organization of intentional actions and the understanding of othersâ€™ intention. Consciousness and Cognition, 2013, 22, 1095-1104.	0.8	40
46	From action to language: comparative perspectives on primate tool use, gesture and the evolution of human language. Philosophical Transactions of the Royal Society B: Biological Sciences, 2012, 367, 4-9.	1.8	39
47	Mirror neurons in monkey area F5 do not adapt to the observation of repeated actions. Nature Communications, 2013, 4, 1433.	5.8	38
48	Processing and Integration of Contextual Information in Monkey Ventrolateral Prefrontal Neurons during Selection and Execution of Goal-Directed Manipulative Actions. Journal of Neuroscience, 2015, 35, 11877-11890.	1.7	37
49	Agent-based representations of objects and actions in the monkey pre-supplementary motor area. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 2691-2700.	3.3	37
50	Cortical processing of object affordances for self and others' action. Frontiers in Psychology, 2014, 5, 538.	1.1	36
51	Extending the Cortical Grasping Network: Pre-supplementary Motor Neuron Activity During Vision and Grasping of Objects. Cerebral Cortex, 2016, 26, 4435-4449.	1.6	36
52	The mirror neuron system: How cognitive functions emerge from motor organization. Journal of Economic Behavior and Organization, 2011, 77, 66-75.	1.0	35
53	Monkey gaze behaviour during action observation and its relationship to mirror neuron activity. European Journal of Neuroscience, 2013, 38, 3721-3730.	1.2	34
54	Activation of cerebellum and basal ganglia during the observation and execution of manipulative actions. Scientific Reports, 2020, 10, 12008.	1.6	34

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55	Nouns referring to tools and natural objects differentially modulate the motor system. Neuropsychologia, 2012, 50, 19-25.	0.7	33
56	Somatotopic Representation in Inferior Area 6 of the Macaque Monkey. Brain, Behavior and Evolution, 1989, 33, 118-121.	0.9	32
57	Movementâ€related activity during goalâ€directed hand actions in the monkey ventrolateral prefrontal cortex. European Journal of Neuroscience, 2015, 42, 2882-2894.	1.2	32
58	Action observation network in childhood: a comparative <scp>fMRI</scp> study with adults. Developmental Science, 2016, 19, 1075-1086.	1.3	32
59	Action observation activates neurons of the monkey ventrolateral prefrontal cortex. Scientific Reports, 2017, 7, 44378.	1.6	32
60	The inferior parietal lobule: where action becomes perception. Novartis Foundation Symposium, 2006, 270, 129-40; discussion 140-5, 164-9.	1.2	24
61	The fronto-parietal cortex of the prosimian Galago: Patterns of cytochrome oxidase activity and motor maps. Behavioural Brain Research, 1994, 60, 91-113.	1.2	23
62	Mirror neurons, gestures and language evolution. Interaction Studies, 2005, 5, 345-363.	0.4	22
63	Application of floating silicon-based linear multielectrode arrays for acute recording of single neuron activity in awake behaving monkeys. Biomedizinische Technik, 2014, 59, 273-81.	0.9	22
64	A modified mark test for own-body recognition in pig-tailed macaques (Macaca nemestrina). Animal Cognition, 2010, 13, 631-639.	0.9	21
65	Mirror Neurons of Ventral Premotor Cortex Are Modulated by Social Cues Provided by Others' Gaze. Journal of Neuroscience, 2016, 36, 3145-3156.	1.7	21
66	Interocular transfer of visual discriminations in Wulst-ablated pigeons. Behavioural Brain Research, 1982, 5, 399-406.	1.2	20
67	Mirror systems. Wiley Interdisciplinary Reviews: Cognitive Science, 2011, 2, 22-38.	1.4	20
68	Neural Coding for Action Execution and Action Observation in the Prefrontal Cortex and Its Role in the Organization of Socially Driven Behavior. Frontiers in Neuroscience, 2017, 11, 492.	1.4	19
69	Parieto-frontal mechanisms underlying observation of complex hand-object manipulation. Scientific Reports, 2019, 9, 348.	1.6	19
70	How the Context Matters. Literal and Figurative Meaning in the Embodied Language Paradigm. PLoS ONE, 2014, 9, e115381.	1.1	17
71	Reorganization of the Action Observation Network and Sensory-Motor System in Children with Unilateral Cerebral Palsy: An fMRI Study. Neural Plasticity, 2018, 2018, 1-15.	1.0	16
72	Do facial gestures, visibility or speed of movement influence gaze following responses in pigtail macaques?. Primates, 2007, 48, 241-244.	0.7	15

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73	Having access to othersâ€™ mind through gaze: The role of ontogenetic and learning processes in gaze-following behavior of macaques. Social Neuroscience, 2008, 3, 239-249.	0.7	15
74	The extended features of mirror neurons and the voluntary control of vocalization in the pathway to language. Language and Cognition, 2013, 5, 145-155.	0.2	15
75	Explicit Motor Imagery for Grasping Actions in Children With Spastic Unilateral Cerebral Palsy. Frontiers in Neurology, 2019, 10, 837.	1.1	15
76	Grasping and Manipulation: Neural Bases and Anatomical Circuitry in Humans. Neuroscience, 2021, 458, 203-212.	1.1	14
77	Multimodal Encoding of Goal-Directed Actions in Monkey Ventral Premotor Grasping Neurons. Cerebral Cortex, 2015, 27, bhv246.	1.6	13
78	Structural connectivity associated with the sense of body ownership: a diffusion tensor imaging and disconnection study in patients with bodily awareness disorder. Brain Communications, 2022, 4, fcac032.	1.5	12
79	Continuous decoding of grasping tasks for a prospective implantable cortical neuroprosthesis. Journal of NeuroEngineering and Rehabilitation, 2012, 9, 84.	2.4	9
80	Mirror Neuron System Activation in Children With Unilateral Cerebral Palsy During Observation of Actions Performed by a Pathological Model. Neurorehabilitation and Neural Repair, 2019, 33, 419-431.	1.4	9
81	Functional Lateralization of the Mirror Neuron System in Monkey and Humans. Symmetry, 2021, 13, 77.	1.1	8
82	Decoding grip type and action goal during the observation of reaching-grasping actions: A multivariate fMRI study. NeuroImage, 2021, 243, 118511.	2.1	8
83	Effectiveness of action observation therapy based on virtual reality technology in the motor rehabilitation of paretic stroke patients: a randomized clinical trial. BMC Neurology, 2022, 22, 109.	0.8	8
84	Mirror mechanism and dedicated circuits are the scaffold for mirroring processes. Behavioral and Brain Sciences, 2014, 37, 199-199.	0.4	6
85	Mirror neurons and social cognition. , 0, , 179-196.		6
86	Application of an Intensive Rehabilitation Program After Very Late Recovery of Consciousness: A Single-Case Neurorehabilitation and Neuroimaging Study. Journal of Central Nervous System Disease, 2019, 11, 117957351984349.	0.7	5
87	Reorganization of action observation and sensoryâ€motor networks after action observation therapy in children with congenital hemiplegia: A pilot study. Developmental Neurobiology, 2020, 80, 351-360.	1.5	5
88	The Mirror System in Monkeys and Humans and its Possible Motor-Based Functions. Advances in Experimental Medicine and Biology, 2013, 782, 87-110.	0.8	5
89	Histological assessment of a chronically implanted cylindrically-shaped, polymer-based neural probe in the monkey. Journal of Neural Engineering, 2021, 18, 024001.	1.8	4
90	Rehabilitation of unilateral spatial neglect: A combined behavioral and fMRI single-case study.. Neuropsychology, 2019, 33, 343-357.	1.0	4

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91	Decoding pointâ€light displays and fully visible hand grasping actions within the action observation network. Human Brain Mapping, 2022, 43, 4293-4309.	1.9	4
92	The Mirror Mechanism as Neurophysiological Basis for Action and Intention Understanding. , 2013, , 117-134.		3
93	Some evidence on Gerstmannâ€™s syndrome: A case study on a variant of the clinical disorder. Brain and Cognition, 2021, 148, 105679.	0.8	3
94	Visual response of ventrolateral prefrontal neurons and their behavior-related modulation. Scientific Reports, 2021, 11, 10118.	1.6	1
95	Toward Automated Electrode Selection in the Electronic Depth Control Strategy for Multi-unit Recordings. Lecture Notes in Computer Science, 2010, , 17-25.	1.0	1
96	Can a pathological model improve the abilities of the paretic hand in hemiplegic children? The PAM-AOT study protocol of a randomised controlled trial. BMJ Open, 2021, 11, e053910.	0.8	1
97	The role of mirror neurons in goal coding and intention understanding. , 2015, , 23-38.		0
98	The Cognitive Properties of the Motor System and Mirror Neurons. Studies in Applied Philosophy, Epistemology and Rational Ethics, 2017, , 3-17.	0.2	0
99	Action Representation in the Cerebral Cortex and the Cognitive Functions of the Motor System. , 2007, , 123-149.		0
100	Action Goal Representation and Action Understanding in the Cerebral Cortex. , 2009, , 57-73.		0
101	The Imitation Game in Children With Tourette Syndrome: A Lack of Impulse Control to Mirror Environmental Stimuli. Motor Control, 2022, 26, 92-96.	0.3	0